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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/004,229	11/02/2001	Norio Sakai	36856.561	8116	
7	590 11/06/2002				
Keating & Bennett LLP			EXAMINER		
Suite 312 10400 Eaton Place			LEVI, DA	LEVI, DAMEON E	
Fairfax, VA 2	2030		ART UNIT	PAPER NUMBER	
			2841		
			DATE MAILED: 11/06/2002	DATE MAILED: 11/06/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	. ———
Office Action 2	10/004,229	SAKAI, NORIO	
Office Action Summary	Examin r	Art Unit	
	Dameon E Levi	2841	
Th MAILING DATE of this communication app Period for Reply	ears on the cover sh t with	n the correspondenc addre	}SS
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	i6(a). In no event, however, may a rep within the statutory minimum of thirty (ill apply and will expire SIX (6) MONT' cause the application to become ABAI	ly be timely filed (30) days will be considered timely. IS from the mailing date of this comn NDONED (35 U.S.C. § 133).	nunication.
_	lovember 2001		
· <u> </u>	· · · · · ·		
· _ · _ · _ · _ · _ · _ · _ · _ · _ · _	s action is non-final.		
 Since this application is in condition for allowa closed in accordance with the practice under E Disposition of Claims 			nents is
4)⊠ Claim(s) <u>1-21</u> is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-21</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examiner			
10)⊠ The drawing(s) filed on <u>02 November 2001</u> is/ar		•	
Applicant may not request that any objection to the			
11) The proposed drawing correction filed on	is: a) ☐ approved b) ☐ dis	approved by the Examiner.	
If approved, corrected drawings are required in rep	•		
12) The oath or declaration is objected to by the Exa	ammer.		
Priority under 35 U.S.C. §§ 119 and 120		440()()	
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. §	119(a)-(d) or (f).	
a) ☑ All b) ☐ Some * c) ☐ None of:	hovo hoon room		
Certified copies of the priority documents Certified copies of the priority documents Certified copies of the priority documents		nlination No	
2. Certified copies of the priority documents3. Copies of the certified copies of the priori			000
application from the International Bur * See the attached detailed Office action for a list of	eau (PCT Rule 17.2(a)).		age
14) ☐ Acknowledgment is made of a claim for domestic	priority under 35 U.S.C. §	119(e) (to a provisional ap	oplication).
a) ☐ The translation of the foreign language prov 15)☐ Acknowledgment is made of a claim for domestic	visional application has bee	en received.	. ,
Attachment(s)	o priority under 00 0.0.0. g	3 120 and/or 121.	
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 8.	5) Notice of Inf	ımmary (PTO-413) Paper No(s). formal Patent Application (PTO-1	

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 20 and 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims as recited are indefinite for failing to further limit the parent claim from which they depend.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)). Claims 1,2,4,6-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Kwon et al US Patent 6278178.

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Regarding claim 1, Kwon et al discloses an electronic component comprising: a member having first and second main surfaces disposed opposite to each other, and four side surfaces connecting the first and second main surfaces, at least one of the side surfaces being provided with a recess portion extending from the first main surface to the second main surface; and a plurality of external terminal electrodes provided in the recess portion (foe example, see element 21,23a Fig 16C).

Regarding claim 2, Kwon et al discloses wherein each of the plurality of external terminal electrodes are arranged so as to extend from the first main surface to the second main surface (for example, see element 23a, Fig 16C)

Regarding claim 4, Kwon et al discloses 1, wherein a plurality of concavities are provided in the recess portion, the external terminal electrodes are arranged so as to fill the concavities, and surfaces of the plurality of external terminal electrodes have a common flat surface with a bottom surface of the recess portion (for example, see elements 23, Fig 16C).

Regarding claim 6, Kwon et al discloses the device further comprising an external conductor film provided on at least one of the first and second main surfaces (for example, see column 5, lines 43-46).

Regarding claim 7, Kwon et al discloses wherein each of the plurality of external terminal electrodes has a portion extending onto at least one of the first and second main surfaces (for example, see elements 23a, Fig 16C).

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Regarding claim 8, Kwon et al discloses wherein the surface of each of the plurality of external terminal electrodes is entirely covered with a plating film(for example, see column 5, lines 43-46).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3,5 and 9-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kwon et al US Patent 6278178 in view of Ogihara et al US Patent 4764233.

Regarding claim 3, Kwon et al discloses the instant claimed invention except wherein each of the plurality of external terminal electrodes are arranged so as to extend from the first main surface towards to second main surface but not reaching the second main surface.

Ogihara et al discloses an electronic component wherein each of a plurality of external terminal electrodes are arranged so as to extend from a first main surface towards a second main surface but not reaching the second main surface (for example, see elements 2, Fig1).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have arranged the terminal electrodes as taught by Ogihara et

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al in the device as taught by Kwon et al for the purpose of facilitating electrical connectivity between the different layers of the substrate.

Regarding claim 5, Kwon et al discloses the instant claimed invention except wherein the member comprises a plurality of ceramic layers laminated together, and an internal conductor film provided on an interface between the ceramic layers.

Ogihara et al discloses an electronic component wherein a member comprises a plurality of ceramic layers laminated together, and an internal conductor film provided on an interface between the ceramic layers (for example, see Fig 1, see column 8, lines 56-66).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have arranged a plurality of layers as taught by Ogihara et al in the device as taught by Kwon et al as such an arrangement is conventional in the art of manufacturing multilayered substrates.

Regarding claims 9-19, the methods disclosed therein are deemed as inherent in the assembly of the claimed apparatus of the preceding claims as fully met by the accompanying references, (Kwon et al, Ogihara et al) and are subsequently rejected.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E Levi whose telephone number is (703) 305-0426. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David S Martin can be reached on (703) 308-3121. The fax phone numbers

for the organization where this application or proceeding is assigned are (703) 308-7724 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0058.

DEL

November 4, 2002

Dameon E Levi Examiner

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DAVID MARTIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800